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(54) MEMBER FOR MEDICAL USE AND ITS PREPARATION

(57)Abstract:

PROBLEM TO BE SOLVED: To improve a balance of properties and to obtain a member excellent in flexibility, transparency and heat resistance by comprising a syndiotactic 1,2-polybutadiene and by imparting a cross-linking structure to the outer surface.

SOLUTION: A member for medical use comprises a syndiotactic polybutadiene having a melt flow rate of 1-15 at 150° C under a load of 2160 g and a 1,2-linkage of 85% or more and has a cross-linking structure on the outer surface. The member is for use as sheets, films, tubes and bags and the film is preferably 0.1-1.0 mm thick and the tube is preferably 1-20 mm in internal diameter. Cross-linking of the molded article is conducted by irradiating the same with UV ray having a wavelength of 180-400 nm at 50-80° C till the gel fraction reaches 10-60% of the whole molded article. The molded article has a cross-linking structure generated by the irradiation on the outer surface and has a linear structure in the inside and internal surface. A multi-layer material in which only the outer surface is made of the syndiotactic 1,2-polybutadiene and the inside and internal surface are made of another polymer can be used.

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